

Comparative Study of Estimators of Population Means in Two Phase Sampling in the Presence of Non-Response

Authors : Syed Ali Taqi, Muhammad Ismail

Abstract : A comparative study of estimators of population means in two phase sampling in the presence of non-response when Unknown population means of the auxiliary variable(s) and incomplete information of study variable y as well as of auxiliary variable(s) is made. Three real data sets of University students, hospital and unemployment are used for comparison of all the available techniques in two phase sampling in the presence of non-response with the newly generalized ratio estimators.

Keywords : two-phase sampling, ratio estimator, product estimator, generalized estimators

Conference Title : ICS 2017 : International Conference on Statistics

Conference Location : Istanbul, Türkiye

Conference Dates : October 26-27, 2017